

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4548	347/20,48,54,56,61,63,65,67.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/02 09:11
L2	29	("micro electro-mechanical" thermoelastic) same (heat near4 conduct\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/02 09:11
L3	1709	337/102,104,107,141.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/02 09:12
L4	5	1 and 2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/02 09:14
L5	1734	337/102,104,107,141.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/02 09:12
L6	0	2 and 5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/02 09:12
L7	2	1 and 5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/02 09:14
S1	5740	347/54,48,56,61,63,65,68,20.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/02 07:13
S2	32	(thermo with actuator) same ((metal\$3 aluminum) with (heat conduction))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/15 08:28
S3	0	S1 and S2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 12:24
S4	62108	"347"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 12:24
S5	2	S2 and S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 12:25

S6	204	(thermo with actuator) same ((metal\$3 aluminum) same (heat conduction))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 12:25
S7	204	((thermo with actuator) (thermoactuator)) same ((metal\$3 aluminum) same (heat conduction))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 12:27
S8	94	S1 and S7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 12:27
S9	20	((thermo with actuator) (thermoactuator)) with ((metal\$3 aluminum) same (heat conduction))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 12:27
S10	0	S1 and S9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 12:27
S11	7	("4812792" "5459501" "5666141" "5719604" "5726693" "5812159" "5883650").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 12:29
S12	5044	((bend\$3 elastic flexible mechanical) with (actuator eject\$3)) same (metal\$3 aluminum)	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 14:23
S13	193	S1 and S12	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 12:37
S14	2	("3747120" "4611219").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 12:48
S15	4330	((arm beam) with (actuator transducer)) same (thermal heat)	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 12:49
S16	5284	((arm lever beam) with (actuator transducer)) same (thermal heat)	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/15 08:41
S17	22	((arm lever beam) with (actuator transducer)) same (thermal heat)) with conduction	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 12:51
S18	217	((arm lever beam) with (actuator transducer)) same (thermal heat)) same conduction	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/01 14:10
S19	99	S4 and S18	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 12:51
S20	58	S1 and S18	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 12:51
S21	648	((bi multi) with (layer lever beam arm)) same cantilever	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 14:20
S22	22	S1 and S21	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 13:01
S23	19	S22 and (metal aluminum)	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 13:02
S24	21	S22 and (metal aluminum conductivity conduction)	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 13:02

S25	15	("3747120" "3946398" "4296421" "5599695" "5771882" "5781331" "5796152" "5902648" "6067797" "6087638" "6180427" "6239821" "6243113" "6254793" "6274056").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 13:04
S26	19	("3747120" "3946398" "4296421" "4513299" "4577201" "5170177" "5202659" "5361084" "5599695" "5689291" "5771882" "5801732" "5902648" "6067797" "6102512" "6239821" "6254793" "6274056" "6534609").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 13:19
S27	19	("3747120" "3946398" "4296421" "5599695" "5771882" "5902648" "6067797" "6087638" "6123419" "6180427" "6239821" "6243113" "6254793" "6274056" "6280019" "6290336" "6309052" "6483419" "6644798").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 13:23
S28	968	((bi multi) with (layer lever beam arm)) same (thermal with (conduction conductivity))	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 14:11
S29	3	((bi multi) with (layer lever beam arm)) same cantilever same (thermal with (conduction conductivity))	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 14:12
S30	74	(cantilever with (layer lever beam arm)) same (thermal with (conduction conductivity))	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 14:14
S31	9	S4 and S30	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 14:12
S32	78	(cantilever with (layer lever beam arm actuator transducer)) same (thermal with (conduction conductivity))	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/07 09:54
S33	99	(cantilever same (layer lever beam arm actuator transducer)) same (thermal with (conduction conductivity))	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 14:22
S34	9	S4 and S33	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 14:14
S35	145	(cantilever same (layer lever beam arm actuator transducer)) same (thermal same (conduction conductivity))	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 14:14
S36	9	S4 and S35	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 14:15
S37	4	("6067797" "6087638" "6239821" "6243119").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 14:20
S38	732	((bi multi) with (layer lever beam arm)) same cantilever	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 14:21
S39	27	S4 and S38	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 14:21
S40	103	(cantilever same (layer lever beam arm actuator transducer)) same (thermal with (conduction conductivity))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 14:22
S41	9	S4 and S40	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 14:22
S42	40200	((bend\$3 elastic flexible mechanical cantilever) with (arm lever beam actuator eject\$3)) same (metal\$3 aluminum)	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 14:24

S43	44994	((bend\$3 elastic flexible mechanical cantilever) with (arm lever beam actuator eject\$3)) same (metal\$3 aluminum)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 14:24
S44	216	S1 and S43	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 14:24
S45	310	((bend\$3 elastic flexible mechanical cantilever) with (arm lever beam actuator eject\$3)) same ((metal\$3 aluminum) same conduction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 14:26
S46	4	S1 and S45	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 14:26
S47	7	S4 and S45	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 14:25
S48	1072	((bend\$3 elastic flexible mechanical cantilever) same (arm lever beam actuator eject\$3)) same ((metal\$3 aluminum) same conduction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 14:31
S49	4	S1 and S48	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 14:26
S50	15	S4 and S48	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 14:27
S51	4722	(arm lever beam actuator eject\$3) same (metal\$3 aluminum) same conduction	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 14:28
S52	15	S1 and S51	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 14:28
S53	149	cantilever same ((metal\$3 aluminum) same conduction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 14:31
S54	0	S4 and S53	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 14:31

S55	54387	((metal\$3 aluminum) same conduction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 14:32
S56	0	S1 and S53	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 14:32
S57	67	S1 and S55	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 14:32
S58	0	("2004/0113981").URPN.	USPAT	OR	ON	2005/07/06 14:47
S59	4	("5936646" "6065823" "6213589" "6688719").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 14:48
S60	19	("3747120" "3946398" "4296421" "4513299" "4577201" "5170177" "5202659" "5361084" "5599695" "5689291" "5771882" "5801732" "5902648" "6067797" "6102512" "6234609" "6239821" "6254793" "6274056").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 14:51
S61	5747	347/54,48,56,61,63,65,68,20.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 08:09
S62	62164	"347"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 08:13
S63	10863	((heat energy) with (remov\$3 path pathway sink conduction conduit)) same (transducer actuator)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 08:18
S64	202	S61 and S63	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 08:16
S65	465	((heat energy) with (remov\$3 path pathway sink conduction conduit)) same (transducer actuator) same aluminum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 10:21
S66	24	S61 and S65	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 08:19
S67	11	("4480259" "4496960" "4723129" "4922269" "4994825" "5095321" "5208604" "5274400" "5278585" "5389957" "5581287").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/07 08:22
S68	32	("6007187").URPN.	USPAT	OR	ON	2005/07/07 08:23
S69	2	"5684519".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 09:05
S70	5	("4480259" "4539575" "4605167" "4998120" "5302976").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/07 09:06

S71	32195	cantilever with (layer lever beam arm actuator transducer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 09:57
S72	319	310/307.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 10:04
S73	32	S71 and S72	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 09:54
S74	18453	(cantilever same (layer lever beam arm actuator transducer)) and (aluminum metal\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 09:57
S75	1441	310/306,307.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 09:57
S76	816	60/527.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 09:58
S77	31	S72 and S74	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 10:29
S78	18	S72 and S76	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 10:03
S79	1142	310/306.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 10:04
S80	21	S74 and S79	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 10:04
S81	0	S65 and S72	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 10:21
S82	18	S63 and S72	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 10:24

S83	1	(thermo\$3elastic with actuator) same (heat with conductor) and aluminum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 10:43
S84	18	(thermo\$3elastic same actuator) same (heat same conductor) and aluminum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 10:27
S85	125	((thermo thermal) same actuator) same (heat same conductor) and aluminum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 10:27
S86	2	S75 and S85	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 10:27
S87	2	"5475318".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 10:30
S88	4	("4749942" "5069419" "5201992" "5268571").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/07 10:31
S89	30	("3833876" "4679908" "4688885" "5024500" "5206557" "5290400" "5351412" "5401983" "5418418" "5489812" "5506175" "5536988" "5602955" "5685062" "5719073" "5781331" "5846849" "5847454" "5912094" "5914801" "5959376" "5960132" "5962949" "5963367" "5994159" "5995688" "6014240" "6067797" "6070656" "6275325").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/07 10:36
S90	5617	(heat with conductor) same aluminum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 10:43
S91	35	(heat with conductor) same aluminum same actuator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 10:46
S92	83	(heat with sink) same aluminum same actuator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 10:46
S93	0	S75 and S92	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 10:46
S94	3	S76 and S92	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 10:46
S95	5747	347/54,48,56,61,63,65,68,20.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 12:43

S96	62164	"347"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 12:43
S97	319	310/307.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 12:44
S98	816	60/527.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 12:43
S99	1142	310/306.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 12:44
S10 0	32941	((thermo thermal) with (actuator element bend\$3 transducer)) same (metal\$3 aluminum)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 12:45
S10 1	53	S97 and S100	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 12:45
S10 2	18	("3747120" "3946398" "4296421" "5599695" "5771882" "5902648" "6067797" "6087638" "6123419" "6180427" "6239821" "6243113" "6254793" "6274056" "6280019" "6290336" "6309052" "6483419").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/07 12:53
S10 3	2	((heat\$3sink) adj (aluminum)) same (benefit advantage improvement design)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 13:28
S10 4	3	((heatsink) adj (aluminum)) same (benefit advantage improvement design)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 13:28
S10 5	51	((heatsink) with (aluminum)) same (benefit advantage improvement design)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 13:32
S10 6	0	S96 and S105	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 13:28
S10 7	3185	((conductor) with (aluminum)) same (benefit advantage improvement design)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 13:30
S10 8	25	S96 and S107	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 13:30

S109	101	((heatsink) same (aluminum)) same (benefit advantage improvement design)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 13:50
S110	0	S97 and S109	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 13:33
S111	0	S96 and S109	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 13:33
S113	5	heatsinking with aluminum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 14:22
S114	9	heatsinking same aluminum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/07 14:22
S115	2	"6688719".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/15 08:09
S116	1653	(thermo with (transducer heater actuator)) same (conduct\$3 transfer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/15 08:29
S117	1416	(thermo with (transducer heater actuator)) same (conduct\$3 transfer and (metal))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/15 08:41
S118	64360	"347"/\$.ccis.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/15 08:30
S119	170	S117 and S118	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/15 08:30
S120	62874	S118 not (silverbrook.in.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/15 08:31
S121	6	S119 not (silverbrook.in.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/15 08:31

S12 2	80136	((heat with (conduct\$3 transfer remov\$3)) with metal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/15 08:34
S12 3	518	S118 and S122	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/15 08:34
S12 4	2042	((heat with (conduct\$3 transfer remov\$3)) with metal) same ((print with head) mems printhead actuator transducer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/15 08:35
S12 5	75	S118 and S124	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/15 08:35
S12 6	5765	((arm lever beam cantilever) with (actuator transducer)) same (thermal heat)	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/15 08:41
S12 7	1161	S118 and S126	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/15 08:41
S12 8	226	S122 and S126	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/15 08:42
S12 9	19	S118 and S128	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/15 08:43
S13 0	5040	347/20,48,54,56,61-67.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/15 08:44
S13 1	257	(thermal with cantilever) same (actuator transducer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/15 10:54
S13 2	451207	(heat energy) with (conductor metal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/15 10:55
S13 3	179342	(heat energy) with (conductor sink)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/15 10:55
S13 4	28	S131 and S133	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/15 11:00

S13 5	115	(heat near4 conduction) same (therm\$3 with (actuator))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/15 11:02
S13 6	6016	347/54,48,56,61,63,65,68,20.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/15 11:01
S13 7	136	(heat near4 remov\$3) same (therm\$3 with (actuator))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/15 11:03
S13 8	64360	"347"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/15 11:03
S13 9	48	S137 and S138	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/15 11:06
S14 0	2	"4423401".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/15 11:06
S14 1	1709	337/102,104,107,141.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/01 14:17
S14 2	7589	(heat with conductor) with (layers plates)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/01 14:11
S14 3	1734	337/102,104,107,141.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 14:11
S14 4	12809	(heat with conductor) with (layers plates)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 14:12
S14 5	12	S143 and S144	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 14:11
S14 6	3670	((thermal heat) with (actuator transducer switch)) same ((layer plate substrate) with conduct\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 14:38
S14 7	68	S141 and S146	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 14:14

S14 8	10	S147 and (ink liquid fluid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 14:17
S14 9	64867	"347"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 14:17
S15 0	2	S141 and S149	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 14:17
S15 1	31313	"337"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/01 14:17
S15 2	3	S149 and S151	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/01 14:17
S15 3	5511	((thermal heat) with (actuator transducer switch)) same ((layer plate substrate) with conduct\$3 aluminum)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 14:38
S15 4	484	S151 and S153	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 14:38
S15 5	3	S154 and S149	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 14:39
S15 6	714	S153 and S149	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 14:39
S15 7	2	S156 and S148	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 14:39
S15 8	2	"6688719".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/02 07:17
S15 9	6087	347/20,48,54,56,61,63,65,68.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/02 09:11
S16 0	27107	(thermoelastic thermal) with (bend\$3 actuator transducer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/02 07:22

S16 1	1734	337/102,104,107,141.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/02 07:23
S16 2	105	S160 and S161	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/02 07:23
S16 3	9002	(ink liquid fluid) with (over\$4heat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/02 07:24
S16 4	44	S159 and S163	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/02 07:30
S16 5	29	("micro electro-mechanical" thermoelastic) same (heat near4 conduct\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/02 07:47
S16 6	11	S165 and silverbrook.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/02 08:01
S16 7	1	2004-498106.NRAN.	DERWENT	OR	ON	2006/02/02 07:51
S16 8	1	"6631979".pn.	USPAT	OR	ON	2006/02/02 08:02
S16 9	0	WO-0386768-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/02 08:48
S17 0	0	WO-200386768-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/02 08:48
S17 1	0	WO-0386768-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/02 08:49
S17 2	0	"200386768"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/02 08:49